

FIG. 2A

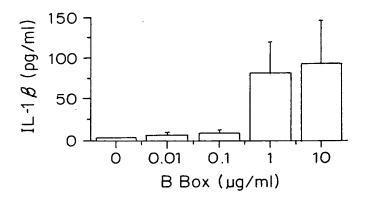


FIG. 2B

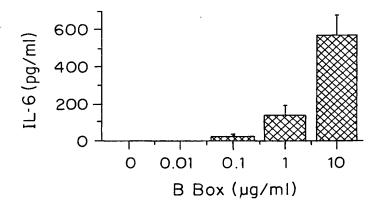


FIG. 2C

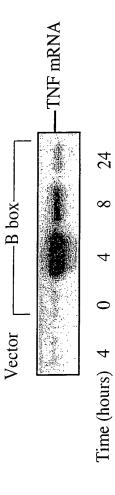


FIG. 2D

FIG. 2E

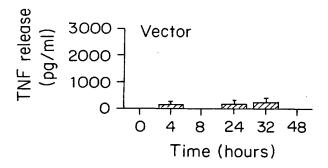


FIG. 2F

5675±575
2100±756
100±10
120 <u>±</u> 75
100±36
100±20

FIG. 3

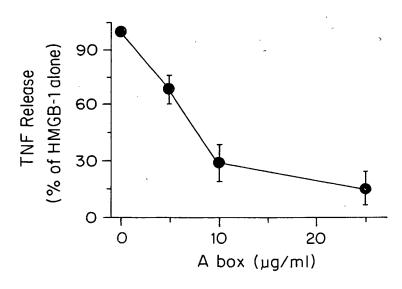


FIG. 4A

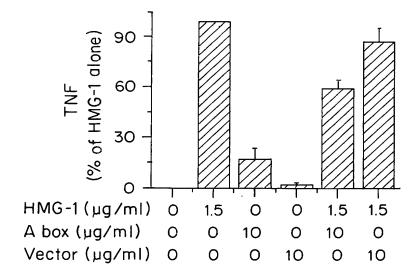


FIG. 4B

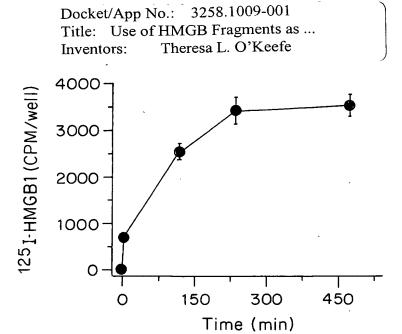


FIG. 5A

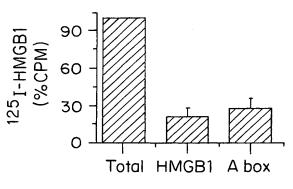


FIG. 5B

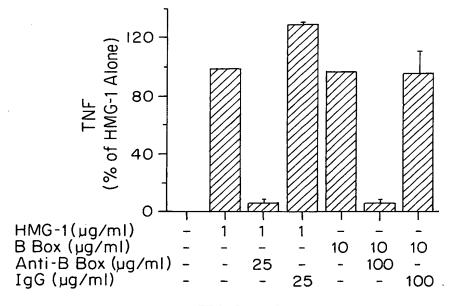


FIG. 6

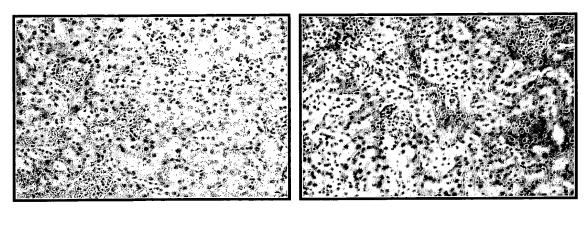


FIG. 7A FIG. 7B

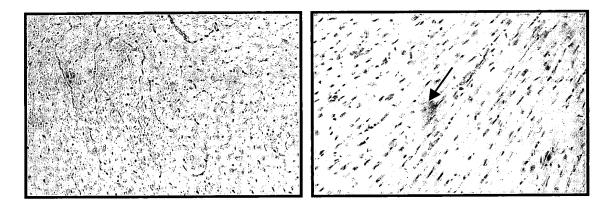


FIG. 7D FIG. 7D

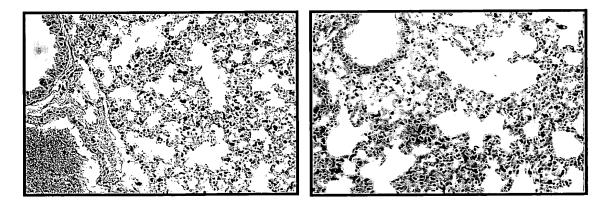


FIG. 7E FIG. 7F

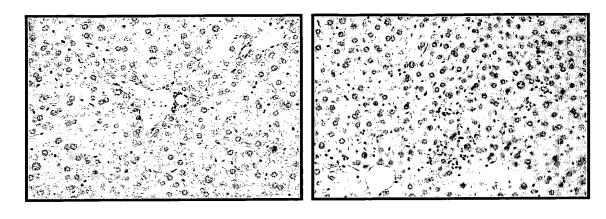


FIG. 7G FIG. 7H

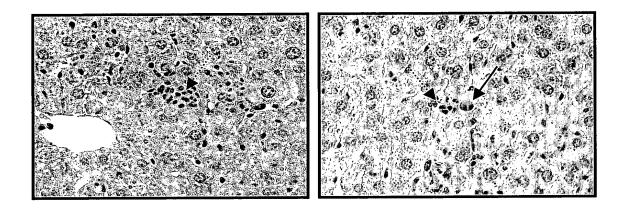


FIG. 7J

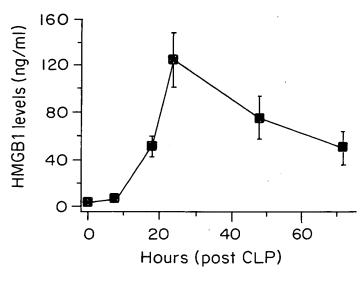


FIG. 8

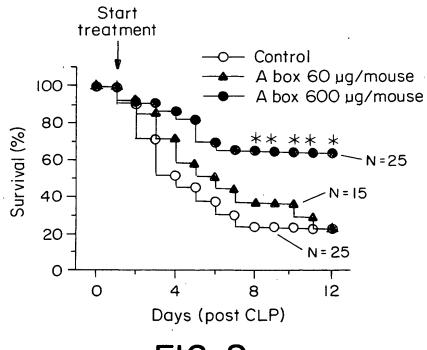


FIG. 9

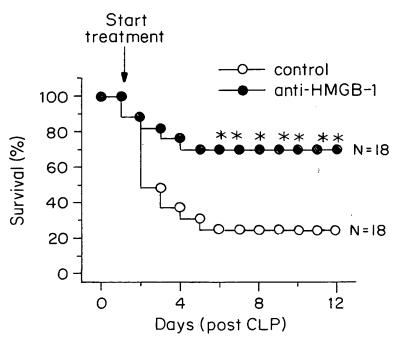


FIG. IOA

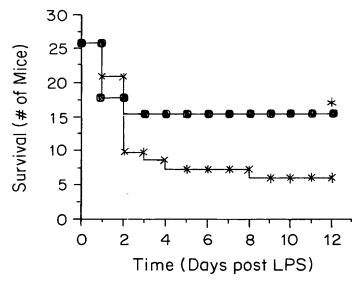


FIG. IOB

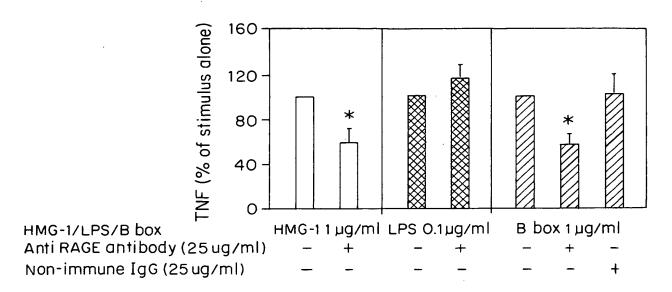


FIG. IIA

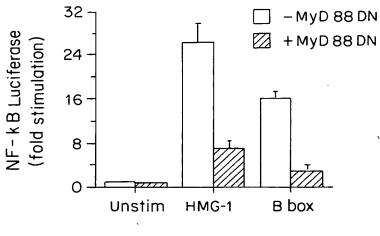


FIG. IIB

FIG. 12A

SEQ ID NO:1 - Human HMG1 amino acid sequence 1 mgkgdpkkpr gkmssyaffv qtcreehkkk hpdasvnfse fskkcserwk tmsakekgkf 61 edmakadkar yeremktyip pkgetkkkfk dpnapkrpps afflfcseyr pkikgehpgl 121 sigdvakklg emwnntaadd kqpyekkaak lkekyekdia ayrakgkpda akkgvvkaek 181 skkkkeeeed eedeedeeee edeededeee dddde

FIG. 12B

SEQ ID NO:2 - Mouse and Rat HMG1 amino acid sequence 1 mgkgdpkkpr gkmssyaffv qtcreehkkk hpdasvnfse fskkcserwk tmsakekgkf 61 edmakadkar yeremktyip pkgetkkkfk dpnapkrpps afflfcseyr pkikgehpgl 121 sigdvakklg emwnntaadd kqpyekkaak lkekyekdia ayrakgkpda akkgvvkaek 181 skkkkeeedd eedeedeeee eeeededeee dddde

FIG. 12C

SEQ ID NO:3 - HUMAN HMG2 amino acid sequence 1 mgkgdpnkpr gkmssyaffv qtcreehkkk hpdssvnfae fskkcserwk tmsakekskf 61 edmaksdkar ydremknyvp pkgdkkgkkk dpnapkrpps afflfcsehr pkiksehpgl 121 sigdtakklg emwseqsakd kqpyeqkaak lkekyekdia ayrakgksea gkkgpgrptg 181 skkknepede eeeeeeeded eeeededee

FIG. 12D

SEQ ID NO:4 - Human, mouse and rat HMG1 A box protein sequence 1 pdasvnfsef skkcserwkt msakekgkfe dmakadkary eremktyipp kget

FIG. 12E

SEQ ID NO:5 - Human, mouse and rat HMG1 B box protein sequence 1 napkrppsaf flfcseyrpk ikgehpglsi gdvakklgem wnntaaddkq pyekkaaklk 61 ekyekdiaa

FIG. 12F SEQ ID NO:6 - forward PCR primer for human HMG1 gatgggcaaaggagatcctaag.

FIG. 12G SEQ ID NO:7 - reverse PCR primer for human HMG1 gcggccgcttattcatcatcatcatcttc

FIG. 12H SEQ ID NO:8 - forward PCR primer for -C mutant of human HMG1 gatgggcaaaggagatcctaag

FIG. 12I

SEQ ID NO:9 - reverse PCR primer for -C mutant of human HMG1 gcggccgctcacttgcttttttcagccttgac

FIG. 12J

SEQ ID NO:10 - forward PCR primer for A+B boxes mutant of human HMG1 gagcataagaagaagcaccca

FIG. 12K

SEQ ID NO:11 - reverse PCR primer for A+B boxes mutant of human HMG1 gcggccgc tcacttgcttttttcagccttgac

FIG. 12L

SEQ ID NO:12 - forward PCR primer for B box mutant of human HMG1 aagttcaaggatcccaatgcaaag

FIG. 12M

SEQ ID NO:13 - reverse PCR primer for B box mutant of human HMG1 gcggccgctcaatatgcagctatatccttttc

FIG. 12N

SEQ ID NO:14 - forward PCR primer for N'+A box mutant of human HMG1 gatgggcaaaggagatcctaag

FIG. 12O

SEQ ID NO:15 - reverse PCR primer for N'+A box mutant of human HMG1 tcacttttttgtctcccctttggg

1 mgkgdpkkpr gkmssyaffv qtcreehkkk hpdasvnfse fskkcserwk tmsakekgkf rat #P07155
1 mgkgdpkkpr gkmssyaffv qtcreehkkk hpdasvnfse fskkcserwk tmsakekgkf mouse #AAA20508
1 mgkgdpkkpt gkmssyaffv qtcreehkkk hpdasvnfse fskkcserwk tmsakekgkf human #AAA64970
A box

- 61 edmakadkar yeremktyip pkgetkkkfk dpnapkrpps afflfcseyr pkikgehpgl rat
- 61 edmakadkar yeremktyip pkgetkkkfk dpnapkrpps afflfcseyr pkikgehpgl mouse
- 61 edmakadkar yeremktyip pkgetkkkfk dpnapkrips afflfcseyr pkikgehpgl human B box
- 121 sigdvakklg emwnntaadd kqpyekkaak lkekyekdia ayrakgkpda akkgvvkaek rat
- 121 sigdvakklg emwnntaadd kqpyekkaak lkekyekdia ayrakgkpda akkgvvkaek mouse
- 121 sigdvakklg emwnntaadd kqpyekkaak lkekyekdia ayrakgkpda akkgvvkaek human
- 181 skkkkeeedd eedeedeee eeeede deee dddde rat
- 181 skkkkeeedd eedeedeee eeeede deee dddde mouse
- 181 skkkkeeeed eedeedeee edeedeedee dddde human

FIG. 13

FIG. 14A

NG 000897 DNA (bases 150-797)

FIG. 14B

NG 000897 Protein

MGKGDPKKPT GKMSSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGKF EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRLPS AFFLFCSEYR PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPYEKKAAK LKEKYEKDIA AYRAKGKPDA AKKGVVKAEK SKKKKEEEED EEDEEDEEEE EDEEDEEDE EDDDDE

FIG. 14C

AF076674 DNA (bases 1-633)

FIG. 14D

AF076674 Protein

MGKGDPKKPR GKMSSYAFFV QTCREEHKKK HSDASVNFSE FSNKCSERWK TMSAKEKGKF EDMAKADKTH YERQMKTYIP PKGETKKKFK DPNAPKRPPS AFFLFCSEYH PKIKGEHPGL SIGDVAKKLG EMWNNTAADD KQPGEKKAAK LKEKYEKDIA AYQAKGKPEA AKKGVVKAEK SKKKKEEEED EEDEEDEEE DEEDEEDDDD E Docket/App No.: 3258.1009-001 Title: Use of HMGB Fragments as ...

Inventors:

Theresa L. O'Keefe

FIG. 14E

AF076676 DNA (bases 1-564)

FIG. 14F

AF076676 Protein

MGKGDPKKPR GKMSSYAFFV QTCREECKKK HPDASVNFSE FSKKCSERWK AMSAKDKGKF EDMAKVDKDR YEREMKTYIP PKGETKKKFE DSNAPKRPPS AFLLFCSEYC PKIKGEHPGL PISDVAKKLV EMWNNTFADD KQLCEKKAAK LKEKYKKDTA TYRAKGKPDA AKKGVVKAEK SKKKKEEE

FIG. 14G

AC010149 DNA (bases 75503-76117)

ATGGACAAAG CAGATCCTAA GAAGCTGAGA GGTGAAATGT TATCATATGC ATTTTTTGTG CAAACTTGTC AGGAGGAGCA TAAGAAGAAG AACCCAGATG CTTCAGTCAA GTTCTCAGAG TTTTTAAAGA AGTGCTCAGA GACATGGAAG ACCATTTTTG CTAAAGAGAA AGGAAAATTT GAAGATATGG CAAAGGCGGA CAAGGCCCAT TATGAAAGAG AAATGAAAAC CTATATCCCT CCTAAAGGGG AGAAAAAAAA GAAGTTCAAG GATCCCAATG CACCCAAGAG GCCTCCTTTG GCCTTTTCC TGTTCTGCTC TGAGTATCGC CCAAAAATCA AAGGAGAACA TCCTGGCCTG TCCATTGATG ATGTTGTGAA GAAACTGGCA GGGATGTGGA ATAACACCGC TGCAGCTGAC AAGCAGTTTT ATGAAAAGAA GGCTGCAAAG CTGAAGGAAA AATACAAAAA GGATATTGCT GCATATCGAG CTAAAGGAAA GCCTAATTCA GCAAAAAAAA GAGTTGTCAA GGCTGAAAAA AGCAAGAAAA AGAAGGAAGA GGAAGAAGAT GAAGAGGATG AACAAGAGA GGAAAAATGAA GAAGATGATG ATAAA

FIG. 14H

AC010149 Protein

MDKADPKKLR GEMLSYAFFV QTCQEEHKKK NPDASVKFSE FLKKCSETWK TIFAKEKGKF EDMAKADKAH YEREMKTYIP PKGEKKKKFK DPNAPKRPPL AFFLFCSEYR PKIKGEHPGL SIDDVVKKLA GMWNNTAAAD KQFYEKKAAK LKEKYKKDIA AYRAKGKPNS AKKRVVKAEK SKKKKEEEED EEDEQEEENE EDDDK

FIG. 14I

AF165168 DNA (bases 729-968)

ATGGGCAAAG GAGATCCTAA GAAGCCGAGA GGCAAAATGT CATCATGTGC ATTTTTTGTG CAAACTTGTT GGGAGGAGCA TAAGAAGCAG TACCCAGATG CTTCAATCAA CTTCTCAGAG TTTTCTCAGA AGTGCCCAGA GACGTGGAAG ACCACGATTG CTAAAGAGAA AGGAAAATTT GAAGATATGC CAAAGGCAGA CAAGGCCCAT TATGAAAGAG AAATGAAAAC CTATATACCC

FIG. 14J

AF165168 Protein

MGKGDPKKPR GKMSSCAFFV QTCWEEHKKQ YPDASINFSE FSQKCPETWK TTIAKEKGKF EDMPKADKAH YEREMKTYIP

FIG. 14K

XM 063129 DNA (bases 319-558)

AACAGAGAG GCAAAATGCC ATCGTATGTA TTTTGTGTGC AAACTTGTCC GGAGGAGCGT AAGAAGAAAC ACCCAGATGC TTCAGTCAAC TTCTCAGAGT TTTCTAAGAA GTGCTTAGTG AGGGGGAAGA CCATGTCTGC TAAAGAGAAA GGACAATTTG AAGCTATGGC AAGGGCAGAC AAGGCCCGTT ACGAAAGAGA AATGAAAACA TATATCCCTC CTAAAGGGGA GACAAAAAAA

FIG. 14L

XM 063129 Protein

KQRGKMPSYV FCVQTCPEER KKKHPDASVN FSEFSKKCLV RGKTMSAKEK GQFEAMARAD KARYEREMKT YIPPKGETKK

FIG. 14M

XM 066789 DNA (bases 1-258)

ATGGGCAAAA GAGACCCTAA GCAGCCAAGA GGCAAAATGT CATCATATGC ATTTTTTGTG CAAACTGCTC AGGAGGAGCA CAAGAAGAAA CAACTAGATG CTTCAGTCAG TTTCTCAGAG TTTTCTAAGA ACTGCTCAGA GAGGTGGAAG ACCATGTCTG TTAAAGAGAA AGGAAAATTT GAAGACATGG CAAAGGCAGA CAAGGCCTGT TATGAAAGAG AAATGAAAAA ATATCCCTAC TTAAAGGGGA GACAAAAA

FIG. 14N

XM 066789 Protein

MGKRDPKQPR GKMSSYAFFV QTAQEEHKKK QLDASVSFSE FSKNCSERWK TMSVKEKGKF EDMAKADKAC YEREMKIYPY LKGRQK

FIG. 140

AF165167 DNA (bases 456-666)

ATGGGCAAAG GAGACCCTAA GAAGCCAAGA GAGAAAATGC CATCATATGC ATTTTTTGTG CAAACTTGTA GGGAGGCACA TAAGAACAAA CATCCAGATG CTTCAGTCAA CTCCTCAGAG TTTTCTAAGA AGTGCTCAGA GAGGTGGAAG ACCATGCCTA CTAAACAGAA AGGAAAATTC GAAGATATGG CAAAGGCAGA CAGGGCCCAT A

FIG. 14P

AF165167 Protein

MGKGDPKKPR EKMPSYAFFV QTCREAHKNK HPDASVNSSE FSKKCSERWK TMPTKQKGKF EDMAKADRAH